



Department of Higher Education

John R. Kasich, Governor
John Carey, Chancellor

REQUEST AND RECOMMENDATION

ONE YEAR OPTION 900+ Clock Hour Programs - Welding

Background:

To provide another option for adult students to apply prior learning toward a degree, Ohio legislators established what has come to be known as the One-Year-Option through Section 363.120 House Bill 59 of the 130th General Assembly. The Chancellor of the Ohio Department of Higher Education, in consultation with the Superintendent of Public Instruction and the Governor's Office of Workforce Transformation, was tasked to establish a One-Year Option credit articulation system in which graduates of Ohio's adult career-technical institutions who complete a 900-hour program of study AND obtain an industry-recognized credential approved by the Chancellor will be able to receive 30 technical semester credit hours toward a technical degree upon enrollment in a public institution of higher education. The Chancellor was also to recommend a process to award proportional semester credit hours for adult career-technical institution students who complete a program of study between 600 and 899 hours AND obtain an industry-recognized credential approved by the Chancellor. The Chancellor convened a broad group of stakeholders to develop a system of articulation for the One Year Option that was presented in a report to the legislature called, *"Getting to 30: Establishing a One Year Option Credit Articulation System for Ohio."*

In order to implement the system of articulation developed with the stakeholders as well as address accreditation requirements for degree granting institutions, the Chancellor convened Credit Affirmation Teams (CATs) to conduct a peer review of programs and certifications for affirmation for a block of 30 semester hours of technical credit. The CATs were comprised of faculty and administrators from Ohio Technical Centers (OTCs) and an equal number from public degree granting colleges and universities in Ohio. The CATs were organized by four discipline clusters: Health and Allied Health, Building and Industrial Technology, Business and Information Technology, and Services. They were charged with reviewing the certifications and, if necessary, program content, to affirm that students completing the selected program at an Ohio Technical Center and earned approved certifications had demonstrated competencies equivalent to 30 semester hours of technical credit. This technical credit would then be granted, as a block, upon enrollment in a degree granting institution. Additional subject matter experts were consulted when core team members did not have sufficient content knowledge of the program being reviewed.

Recommendation

As detailed in the attached template, the Building and Industrial Technology Credit Affirmation Team recommends that students will be eligible for a block of 30 semester hours of technical credit towards an *Associate of Technical Studies in Building and Industrial Technology* when:

- the student has successfully completed a 900+ clock hour program in Welding at an Ohio Technical Center.

And currently meets credentialing requirements for **ALL** of the certifications in **ONE** of the two pathways

Pathway 1- Must hold **ALL** of the following credentials:

- National Center for Construction Education (NCCER) Core
- National Center for Construction Education (NCCER) Welding Level 1
- National Center for Construction Education (NCCER) Welding Level 2
- OSHA 10— General Industry

OR

Pathway 2- Must hold **ALL** of the following credentials:

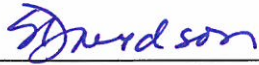
- American Welding Society (ASW) D1.1 Structural Welding Code— Steel: Flux Cored Arc Welding (MIG) Flat Position, Groove Weld (FCAW, 1G)
- American Welding Society (ASW) D1.1 Structural Welding Code— Steel: Gas Metal Arc Welding, Flat Position, Groove Weld (MIG) (GMAW, 1G)
- American Welding Society (ASW) D1.1 Structural Welding Code— Steel: Shielded Metal Arc Welding, (Stick Welding) Flat Position, Groove Weld (SMAW, 1G)
- American Welding Society (ASW) D1.1 Structural Welding Code— Steel: Gas Tungsten Arc Welding (TIG), Flat Position, Groove Weld (GTAW, 1G)
- Occupational Safety and Health Administration (OSHA) 10 – General Industry

Please note these certifications must be current and valid. Student must have completed the Ohio Technical Center program within 5 years.

End of Comment Period: July 17, 2015 at 2:45 pm
No comments received, recommend approval

RECOMMENDATION

The Vice Chancellor of Academic Affairs has verified that this pathway has met the standards and requirements of the Ohio Board of Regents.

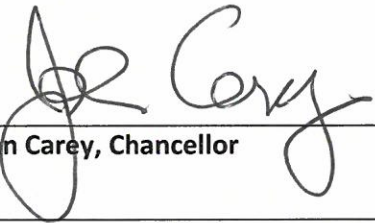


7/22/15

Stephanie Davidson, Vice Chancellor of Academic Affairs

Date

APPROVAL



7/30/15

John Carey, Chancellor

Date

AKA

One-Year Option
Certification Affirmation Template

The Program Affirmation is designed to provide a common matrix for a peer review process acceptable to the Higher Learning Commission to soundly affirm award 30 semester hours of technical credit for Ohio Technical Center graduates who are eligible for the One Year Option. The template should be completed for every program/subject and signed by the co-chairs of each of the four-cluster program areas for every Industry-recognized credential and program reviewed.

Please note: All Ohio Technical Centers must be accredited by one of the following: [Council on Occupational Education \(COE\)](#) and/or [Accrediting Commission of Career Schools and Colleges \(ACCSC\)](#).

Background:	The Welding template has two separate pathways a student could complete. Local program advisory committees work with the Ohio Technical Centers (OTCs) to help guide which of the two pathways are more appropriate for the business/industry employers located within the OTCs geographic area.	
Program Name: Welding Technology/ Welder	Cluster <input type="checkbox"/> Business & Information Technologies <input type="checkbox"/> Health/Allied Health <input checked="" type="checkbox"/> Industrial Trades <input type="checkbox"/> Service Industries & Agriculture	
CIP Code: 48.0508		
CIP CODE DEFINITION		
A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.		
STEP ONE: CREDENTIAL REVIEW: PATHWAY 1		
	Details/Explanation	Comments
Primary Industry Credential (if there are competing certifications complete page multiple times)	Name: The National Center for Construction Education and Research (NCCER) Certifications Type: <input type="checkbox"/> License <input type="checkbox"/> Registry <input checked="" type="checkbox"/> Certification	Certifications: <ul style="list-style-type: none"> NCCER Core NCCER Welding Level 1 NCCER Welding Level 2
Program requirements by credentialing body.	The program must be a NCCER Accredited Training Sponsor (ATS) and a NCCER Accredited Assessment Center. "Entities that have been approved by NCCER as having the resources to effectively conduct a quality training program that utilizes NCCER curriculum are designated as an ATS. Entities that have been approved by NCCER as having the resources to effectively	About the Exams: NCCER offers a complete series of entry- and journey-level written assessments as part of its National Craft Assessment and Certification Program (NCACP). These assessments evaluate the knowledge of an individual in a specific craft area

One-Year Option
Certification Affirmation Template

	<p>conduct a quality assessment program that utilizes the National Craft Assessment and Certification Program (NCACP) assessments and performance verifications are designated as an NCCER Accredited Assessment Center. NCCER's accreditation process assures that students and craft professionals receive quality training based on uniform standards and criteria. Training Sponsors and Assessment Centers are subject to audit on a three year cycle."</p> <p>For more information, please see: http://www.nccer.org/assessments-performance-verifications?mID=616</p>	<p>and provide a prescription for upgrade training when needed. All assessments are based upon the NCCER Curriculum and have been developed in conjunction with Subject Matter Experts from the industry and Prov™, NCCER's test development partner. Module assessments consist of knowledge verification via the successful completion of a written assessment. In addition to the knowledge verification, some modules also require successful completion of a practical performance in the laboratory setting.</p> <p>Renewal: NCCER does not have a renewal option.</p> <p>Exam Integrity: NCCER, through their testing partner Prov, administers training module exams through a secure web-based platform, the Testing Management System. Module tests are created, launched, scored and electronically stored. Instructors and proctors are certified to NCCER requirements.</p>
Hour Requirements (includes any instructional, lab/practice hours, or internship hours).	<p>NCCER Core required instructional hours: 72.5 NCCER Welding 1 required instructional hours: 305 NCCER Welding 2 required instruction hours: 187.5 All competencies must be covered. Remaining 335 hours may vary per program based on local advisory business/industry committees</p>	<p>565 clock hours of instruction to complete NCCER Curriculum requirements.</p>
Competencies demonstrated by credential attainment.	<p>NCCER Core Competencies:</p> <ul style="list-style-type: none"> • Module 00101-09: Basic Safety • Module 00102-09: Introduction to Construction Math • Module 00103-09: Introduction to Hand Tools • Module 00104-09: Introduction to Power Tools • Module 00105-09: Introduction to Construction Drawings • Module 00106-09: Basic Rigging (Elective) • Module 00107-09: Basic Communication Skills • Module 00108-09: Basic Employability Skills 	<p>Each equipment specific module typically contains operation, controls, maintenance, and safety guidelines.</p> <p>NCCER Core http://www.nccer.org/uploads/fileLibrary/Core_2009_courseplanning816201351231PM63.pdf</p> <p>NCCER Welding Level 1</p>

One-Year Option
Certification Affirmation Template

	<ul style="list-style-type: none">Module 00109-09: Introduction to Materials Handling NCCER Welding Level 1 Competencies: <ul style="list-style-type: none">Module 29101-09: Welding SafetyModule 29102-09: Oxyfuel CuttingModule 29103-09: Plasma Arc CuttingModule 29104-09: Air Carbon Arc Cutting and GougingModule 29105-09: Base Metal PreparationModule 29106-09: Weld QualityModule 29107-09: SMAW-Equipment and SetupModule 29108-09: Shielded Metal Arc ElectrodesModule 29109-09: SMAW-Beads and Fillet WeldsModule 29110-09: Joint Fit-Up and AlignmentModule 29111-09: SMAW-Groove Welds and BackingModule 29112-09: SMAW-Open V Groove Welds NCCER Welding Level 2 Competencies <ul style="list-style-type: none">Module 29201-09: Welding SymbolsModule 29202-09: Reading Welding Detail DrawingsModule 29203-09: Physical Characteristics and Mechanical Properties of MetalsModule 29204-09: Preheating and Postheating of MetalsModule 29205-09: GMAW and FCAW-Equipment and Filler MetalsModule 29206-09: GMAW and FCAW-PlateModule 29207-09: GTAW-Equipment and Filler MetalModule 29208-09: GTAW-Plate	http://www.nccer.org/uploads/fileLibrary/Welding_L1_2009_courseplanning.pdf NCCER Welding Level 2 http://www.nccer.org/uploads/fileLibrary/Welding_L2_2009_courseplanning.pdf
Rationale:	<p>The Trades and Industry Credit Affirmation Team (CAT) utilized the following process to complete the assessment regarding the number of semester hours that would be awarded at the college level as block credit based on industry credential(s) plus 900-clock hours earned at an Ohio Technical Center (OTC).</p> <ul style="list-style-type: none">Research the competencies tested by the industry credential(s). The Trades and Industry CAT reviewed information about the industry credential(s) to determine the competencies signaled by earning the credential(s).Complete a nationwide internet search to review how other accredited colleges and universities are applying credit to NCCER Welding Certifications as a point of comparison. Pima Community College awards approximately 41.7 college credits towards an Associate of Applied Science degree in Business and Industry Technology to students of NCCER's accredited sponsors who successfully complete NCCER Core, Welding Level 1 and Welding Level 2	

One-Year Option
Certification Affirmation Template

standardized craft training modules and the Pima-approved challenge exam for those modules.

- Review the value of local program advisory committee recommendations to meet the local industry needs. The Team concurred that there was value in having lab/practical, internships and/or externships as part of the program to meet local industry/business needs.
- Review OSHA 10-Hour Hazard Recognition Training for the General Industry. OSHA 10 includes content essential to general-related work such as fall protection, personal protective equipment, fire prevention and safety, OSHA inspection procedures and more.

The Trades and Industry CAT confirms:

- The certifications exams are valid, reliable and peer-reviewed on a regular basis to ensure the content accurately measures intended competencies.
- The competencies measured by the NCCER Core, NCCER Welding Level 1, NCCER Welding Level 2 and OSHA 10 are developed by industry and reflect industry standards.

The Trades and Industry CAT also considered competencies signaled by lab and practical learning experiences. As part of the program offered by OTCs, student will participate in lab/practical experience as recommended by the local program advisory committee to meet local business and industry needs. The lab/practical experiences will reinforce the instructional competencies through hands-on learning.

Upon successful completion of the 900+ hour program and attainment of the following certifications:

- NCCER Core
- NCCER Welding Level 1
- NCCER Welding Level 2
- OSHA 10 General Industry

A student shall be awarded 30 technical semester hours with the concentration in the field of welding be applied towards completion of an Association of Technical Studies at a public degree granting college or university.

OR

Program Name:

Welding
Technology/Welder

CIP Code: 48.0508

Cluster

- ☐ Business & Information Technologies
- ☐ Health/Allied Health
- ☒ Industrial Trades
- ☐ Service Industries & Agriculture

One-Year Option
Certification Affirmation Template

STEP ONE: CREDENTIAL REVIEW: PATHWAY 2

	Details/Explanation	Comments
Primary Industry Credential (if there are competing certifications complete page multiple times)	Name: Welding Type: <input type="checkbox"/> License <input type="checkbox"/> Registry <input checked="" type="checkbox"/> Certification	Certifications: <ul style="list-style-type: none"> • AWS D1.1 Structural Welding Code – Steel: Flux Cored Arc Welding (MIG) Flat Position, Groove Weld (FCAW, 1G) • AWS D1.1 Structural Welding Code – Steel: Gas Metal Arc Welding, Flat Position, Groove Weld (MIG) (GMAW, 1G) • AWS D1.1 Structural Welding Code – Steel:, Shielded Metal Arc Welding, (Stick Welding) Flat Position, Groove Weld (SMAW, 1G) • AWS D1.1 Structural Welding Code – Steel: Gas Tungsten Arc Welding (TIG), Flat Position, Groove Weld (GTAW, 1G)
Program requirements by credentialing body.	<p>All standards (codes, specifications, recommended practices, methods, classifications, and guides) of the American Welding Society (AWS) have been developed in accordance with the rules of the American National Standards Institute (ANSI). Curriculum consists of written examination and visual inspection of performance qualification tasks.</p>	<p>About the Exams: The AWS Accredited Test Facility (ATF) program requires that a facility implements a quality assurance program that meets the requirements established in the AWS QC4-89, Standard for the Accreditation of Testing Facilities. The requirements include that the facility has a Quality Manual that controls the activities related to the testing of welders in the facility according to AWS QC7, Standard for AWS Certified Welders.</p> <p>QC-10:2006 – Specification for Qualification and Certification of Level 1- Entry Welder https://app.aws.org/education/sense/qc10_r0808.pdf</p> <p>Renewal: Exams need to be renewed every 6 months.</p> <p>Exam Integrity: The facility must also have a Certified Welding Instructor (CWI) on staff or</p>

One-Year Option
Certification Affirmation Template

		contracted to perform the welder qualification tests: This individual cannot be the same person who has trained the applicant.
Hour Requirements (includes any instructional, lab/practice hours, or internship hours).	Locally developed curriculum to meet the needs of local industry needs.	
Competencies demonstrated by credential attainment.	<p>The Basics of Welding Certifications and Test Positions Welding certifications are procedures that a welder must follow to produce a sound weld according to the guidelines that are specified. The certification is a hands-on welding test that is always supervised by an individual that has been trained and approved by the organization that wrote the procedures and certifies the welder. These tests or certifications only qualify the welder for a single process and position. There is not a single welding certification that certifies a welder for all process, metals or positions.</p> <p>Welding Codes There are hundreds of different welding codes. The various codes specify the many different types of work and what organization is overseeing the welding procedures. Most of these codes certify the welder for a specified length or period of time. In most cases, the welder must have a logbook signed to show that they have welded with the process and in that position every six months. This is imperative as welders needs to stay up to date, to weld consistently.</p> <p>Welding Certification Processes The four most common types of welding processes used for certifying welders are:</p> <ul style="list-style-type: none"> • SMAW / Shielded Metal Arc Welding (Stick Welding) • GMAW / Gas Metal Arc Welding (MIG Welding) • FCAW / Flux Cored Arc Welding (MIG Welding) • GTAW / Gas Tungsten Arc Welding (TIG Welding) 	<p>AWS Structural Welding Code – Steel http://www.menawelding.org/wp-content/uploads/2013/01/AWS_DI.1-2004.pdf</p> <p>Standards for Certified Welders http://www.aws.org/certification/CW/QC7-93.pdf</p> <p>Certified Welder Application Form http://www.aws.org/certification/docs/CW_Application_v4.pdf</p> <p>Guide to interpreting the codes on a welding card http://www.aws.org/certification/CW/cw_codes_062012.pdf</p> <p>AWS - Endorsement Supplements Criteria http://www.aws.org/w/a/certification/endorsement/criteria.html</p> <p>Accredited Test Facilities Information http://www.aws.org/certification/FacilityAccreditation</p> <p>QC-10:2006 – Specification for Qualification and Certification of Level 1- Entry Welder https://app.aws.org/education/sense/qc10_r0808.pdf</p>

One-Year Option
Certification Affirmation Template

Welding Certification Positions

Welding certifications come in many position depending on the type of structure that will be welded. In most cases, it is broken down between structural and pipe welding. Structural positions are for welding plate and are typically the easiest to pass. Pipe positions are good for welding plate and pipe depending on what the code allows. Pipe certifications are typically much more difficult because it is an ever-changing position and never a simple straight line.

Structural positions have a coding system that identifies the position and joint type. The coding system is as follows:

- 1 stands for the flat position
- 2 stands for the horizontal position
- 3 stands for the vertical position
- 4 stands for the overhead position
- F stands for a fillet weld joint
- G stands for a groove weld joint

The way this system works is the position is first stated with a number, then right next to it the letter specifies the type of weld joint used.

- 1F is a flat weld done using a fillet joint.
- 2F is a horizontal weld done using a fillet joint.
- 3F is a vertical weld done using a fillet joint.
- 4F is an overhead weld done using a fillet joint.
- 1G is a flat weld done using a groove joint.
- 2G is a horizontal weld done using a groove joint.
- 3G is a vertical weld done using a groove joint.
- 4G is a vertical weld done using a groove joint.

When it comes to structural certifications in particular, groove welds (Gs) will also qualify the welder for fillet welds (Fs). However, fillet welds do not qualify the welder for groove welds.

One-Year Option
Certification Affirmation Template

Reference:

<http://www.metalwebnews.com/howto/welding/welder-certification.pdf>

Rationale:

The Trades and Industry Credit Affirmation Team (CAT) utilized the following process to complete the assessment regarding the number of semester hours that would be awarded at the college level as block credit based on industry credential(s) plus 900-clock hours earned at an Ohio Technical Center (OTC).

- Research the competencies tested by the industry credential. The Trades and Industry CAT reviewed information about the industry credential(s) to determine the competencies signaled by earning the credential(s).
- Complete a nationwide internet search to review how other accredited colleges and universities are applying credit to AWS certifications as a point of comparison. The team could not find any reference to AWS certifications.
- Review the value of local program advisory committee recommendations to meet the local industry needs. The Team concurred that there was value in having lab/practical, internships and/or externships as part of the program to meet local industry/business needs.
- Review OSHA 10-Hour Hazard Recognition Training for the General Industry. OSHA 10 includes content essential to general-related work such as fall protection, personal protective equipment, fire prevention and safety, OSHA inspection procedures and more.

The Trades and Industry CAT confirms:

- The certifications exams are valid, reliable and peer-reviewed on a regular basis to ensure the content accurately measures intended competencies.
- The competencies measured by AWS and OSHA are developed by industry and reflect industry standards.

The Trades and Industry CAT also considered competencies signaled by lab and practical learning experiences. As part of the program offered by OTCs, students will participate in lab/practical experiences. The lab/practical experiences will reinforce the instructional competencies through hands-on learning.

Upon successful completion of the 900+ hour program in the field of welding at an Ohio Technical Center and attainment of the following certifications:

- AWS D1.1 Structural Welding Code – Steel: Flux Cored Arc Welding (MIG) Flat Position, Groove Weld (FCAW, 1G)
- AWS D1.1 Structural Welding Code – Steel: Gas Metal Arc Welding, Flat Position, Groove Weld (MIG) (GMAW, 1G)
- AWS D1.1 Structural Welding Code – Steel: Shielded Metal Arc Welding, (Stick Welding) Flat Position, Groove Weld (SMAW, 1G)

One-Year Option
Certification Affirmation Template

- AWS D1.1 Structural Welding Code – Steel: Gas Tungsten Arc Welding (TIG), Flat Position, Groove Weld (GTAW, 1G)
- OSHA 10-General Industry

A student shall be awarded 30 technical semester hours towards completion of an Association of Technical Studies at a public degree granting college or university.

ONLY IF NECESSARY TO AFFIRM 30 CREDITS----STEP TWO: PROGRAM-RELATED COMPETENCIES OBTAINED OUTSIDE OF PRIMARY CREDENTIAL

	Details/Explanation	Comments
Additional related complementary credential(s) or badge(s) (e.g. OSHA 10, CPR).	OSHA 10 – General Industry	
Competencies demonstrated by additional credential attainment.	<p>Mandatory - 7 hours of training</p> <ul style="list-style-type: none"> • Introduction to OSHA • Walking and Working Surfaces, including fall protection • Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection • Electrical • Personal Protective Equipment • Hazard Communication <p>Elective - 2 hours of Training</p> <p>Must present at least two hours of training on the following topics. At least two topics must be presented. The minimum length of any topic is one-half hour.</p> <ul style="list-style-type: none"> • Hazardous Materials • Materials Handling • Machine Guarding • Introduction to Industrial Hygiene • Bloodborne Pathogens • Ergonomics • Safety and Health Program 	<p>Must be taught by a Certified OSHA Outreach Trainer.</p> <p>https://www.osha.gov/dte/outreach/program_requirements.pdf</p> <p>OSHA safety training compliance standards are for the jobsite and individual receive a wallet card and certificate. OSHA 10 can only be taught by an OSHA Outreach Trainer in good standing, who has been approved by OSHA standards and has completed OSHA Train-the Train course work.</p>

One-Year Option
Certification Affirmation Template

	<ul style="list-style-type: none"> Fall Protection Optional - 1 hour of Training. Teach other general industry hazards or policies and/or expand on the mandatory or elective topics. The minimum length of any topic is one-half hour.																									
Description of additional program elements beyond primary credential.																										
Program related competencies/learning outcomes outside of credential(s). Include how competencies are demonstrated.																										
Related Programs as of Fall 2015:	Ohio Technical Center Apollo Career Center Eastland-Fairfield Career Technical Center Choffin Career & Technical Center Tri-County Career Center	<table> <thead> <tr> <th>Program Name</th><th>Clock Hours</th></tr> </thead> <tbody> <tr> <td>Welding & Fabrication</td><td>900</td></tr> <tr> <td>Welding</td><td>900</td></tr> <tr> <td>Welding</td><td>1000</td></tr> <tr> <td>Industrial Welding Technology</td><td>1350</td></tr> </tbody> </table>	Program Name	Clock Hours	Welding & Fabrication	900	Welding	900	Welding	1000	Industrial Welding Technology	1350														
Program Name	Clock Hours																									
Welding & Fabrication	900																									
Welding	900																									
Welding	1000																									
Industrial Welding Technology	1350																									
Committee Members and Subject Matter Experts:	<table> <thead> <tr> <th>Name</th><th>Role</th><th>Institution</th></tr> </thead> <tbody> <tr> <td>Barbara Wagner</td><td>Co-Chair</td><td>Upper Valley Career Center</td></tr> <tr> <td>Kelly Zelesnik</td><td>Co-Chair</td><td>Lorain County Community College</td></tr> <tr> <td>Jon Buttelwerth</td><td>Member</td><td>Cincinnati State Technical and Community College</td></tr> <tr> <td>Lorraine Kapka</td><td>Member</td><td>Sinclair Community College</td></tr> <tr> <td>Mike Sizemore</td><td>Member</td><td>Miami Valley Career Technical Center</td></tr> <tr> <td>Tim Conley</td><td>Member</td><td>Pickaway Ross Career and Technology Center</td></tr> <tr> <td>Jeffrey Jones</td><td>Member</td><td>Ashland County West Holmes Career Center</td></tr> </tbody> </table>	Name	Role	Institution	Barbara Wagner	Co-Chair	Upper Valley Career Center	Kelly Zelesnik	Co-Chair	Lorain County Community College	Jon Buttelwerth	Member	Cincinnati State Technical and Community College	Lorraine Kapka	Member	Sinclair Community College	Mike Sizemore	Member	Miami Valley Career Technical Center	Tim Conley	Member	Pickaway Ross Career and Technology Center	Jeffrey Jones	Member	Ashland County West Holmes Career Center	
Name	Role	Institution																								
Barbara Wagner	Co-Chair	Upper Valley Career Center																								
Kelly Zelesnik	Co-Chair	Lorain County Community College																								
Jon Buttelwerth	Member	Cincinnati State Technical and Community College																								
Lorraine Kapka	Member	Sinclair Community College																								
Mike Sizemore	Member	Miami Valley Career Technical Center																								
Tim Conley	Member	Pickaway Ross Career and Technology Center																								
Jeffrey Jones	Member	Ashland County West Holmes Career Center																								
Other Parameters of Competency.																										
OTHER COMMENTS.	Material covered is adequate to allow 30 hours of credit to be granted.																									
<u>AFFIRMED NUMBER</u>	30 semester hours	LENGTH OF TIME CREDENTIAL CAN BE																								

One-Year Option
Certification Affirmation Template

**OF TECHNICAL
BLOCK CREDITS**

USED FOR ONE-YEAR OPTION: Must have completed a 900+ hour program at an Ohio Technical Center and meet requirements for one of the following two pathways:

Pathway 1:

1. NCCER Core
2. NCCER Welding Level 1
3. NCCER Welding Level 2
4. OSHA 10 – General Industry

Pathway 2:

1. AWS D1.1 Structural Welding Code – Steel: Flux Cored Arc Welding (MIG) Flat Position, Groove Weld (FCAW, 1G)
2. AWS D1.1 Structural Welding Code – Steel: Gas Metal Arc Welding, Flat Position, Groove Weld (MIG) (GMAW, 1G)
3. AWS D1.1 Structural Welding Code – Steel:, Shielded Metal Arc Welding, (Stick Welding) Flat Position, Groove Weld (SMAW, 1G)
4. AWS D1.1 Structural Welding Code – Steel: Gas Tungsten Arc Welding (TIG), Flat Position, Groove Weld (GTAW, 1G)
5. OSHA 10 – General Industry

All certifications must be current and valid. Must have completed the Ohio Technical Center program within 5 years.

Co-chair signatures:



Dr. Barbara G. A. Wagner, Adult Division Director
Upper Valley Career Center – Ohio Technical Center



Kelly A. Zelesnik, Dean of Engineering Technologies
Lorain County Community College

Date: 6/8/2015